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Create a user-defined PDF report using MODUS reporter

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Contents

1   Create a user-defined PDF report using MODUS reporter

1.1   Tutorial pre-requisites

• The student should have completed the basic alignment and measurement tutorials.

• The student should have completed the 'Further feature measurement and output' tutorial

1.2   Tutorial objectives

• To introduce the student to the concepts of report creation and basic output of results using MODUS reporting methods
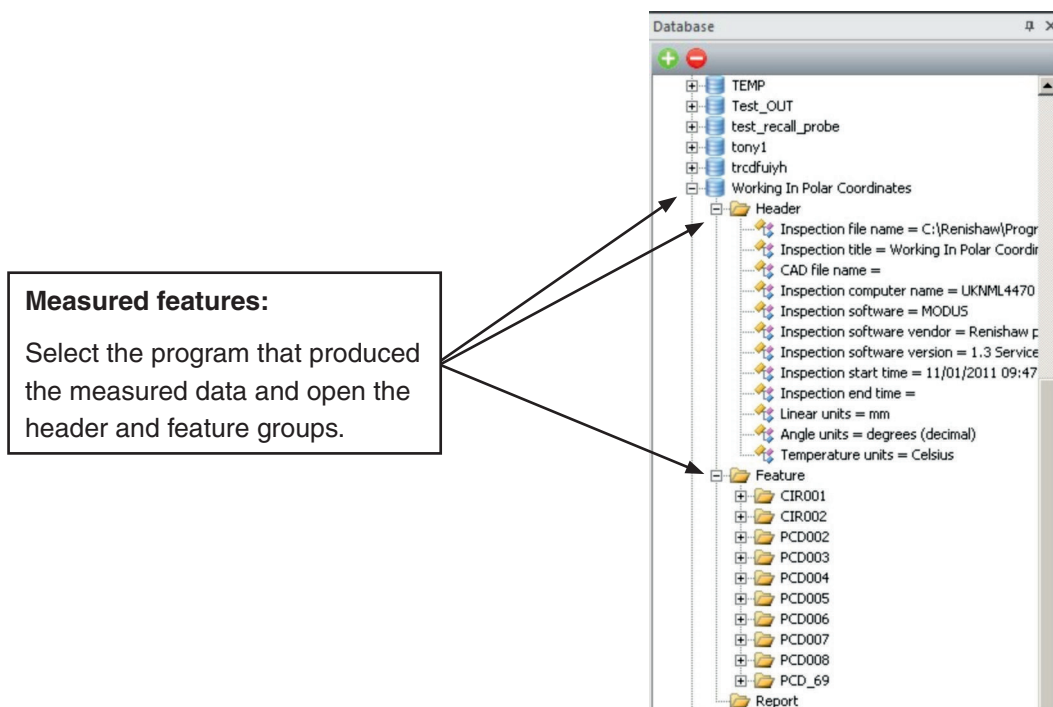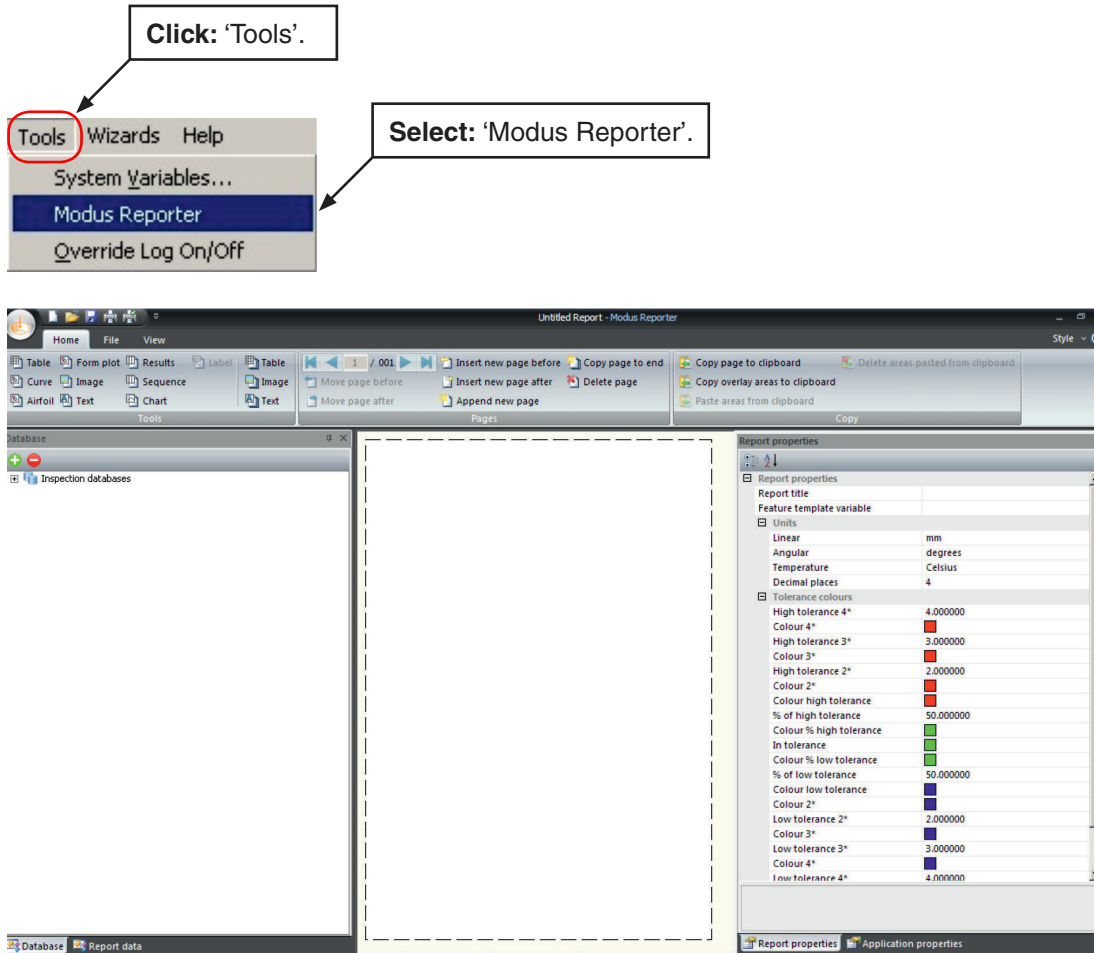
2   Introduction

Though MODUS can create simple, text-based reports, MODUS reporter can be used to produce fully configurable graphical inspection reports. This is useful when inspection reports are required to conform to a company-specific template.

This tutorial will use MODUS reporter to generate a PDF inspection report. The examples used throughout are based on features on the Renishaw training block that were measured in earlier tutorials.
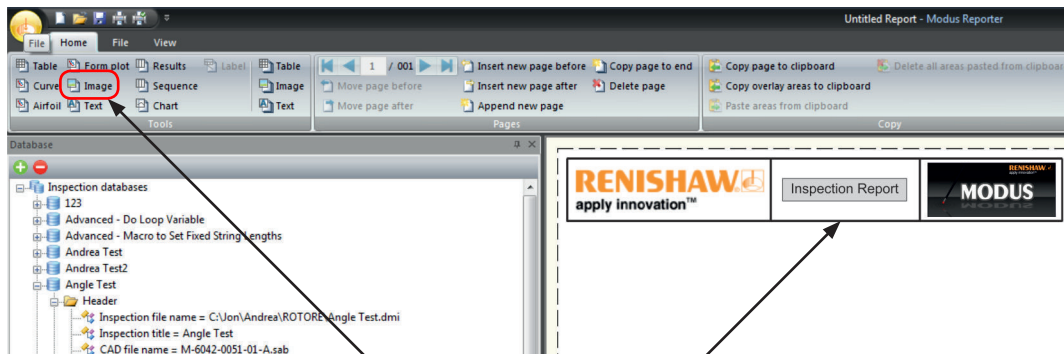
3   Creating the PDF report using MODUS reporter

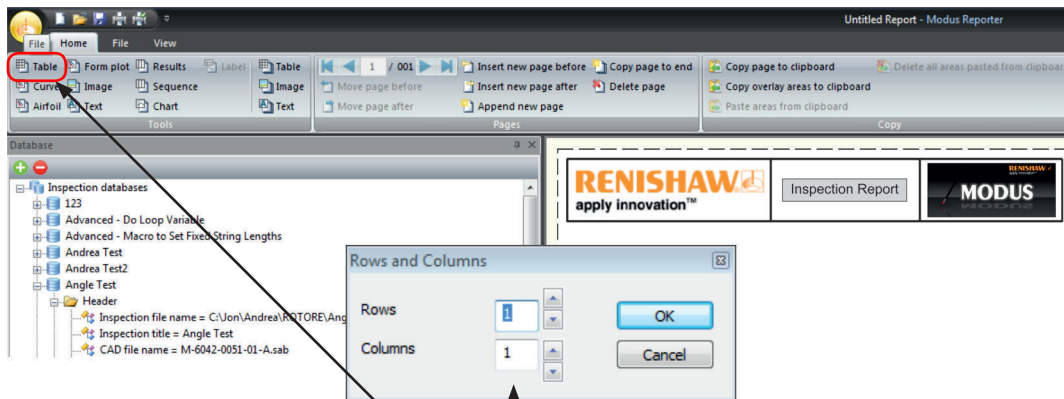Measure part to generate measured data. Open MODUS reporter from within MODUS to begin:

Click: 'Tools'.

Select: 'Modus Reporter'.

Measured features:

Select the program that produced the measured data and open the header and feature groups.

Copy an image into the report page (i.e. pre-defined header):
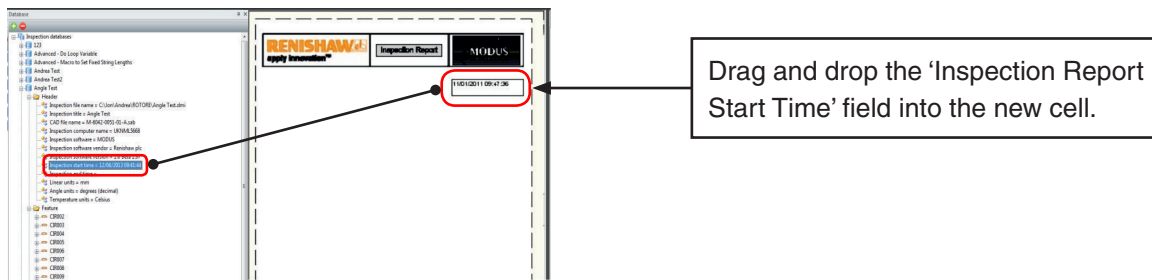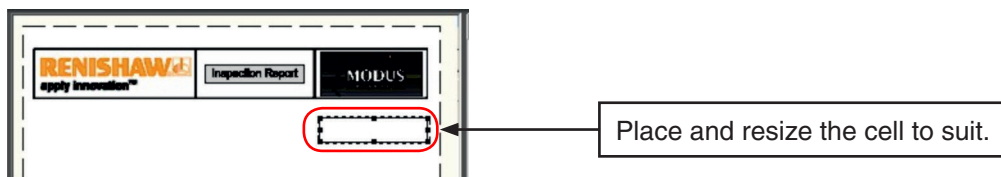

Select: 'Image' and create a box for the image on the working page.

Load the image from an existing file.

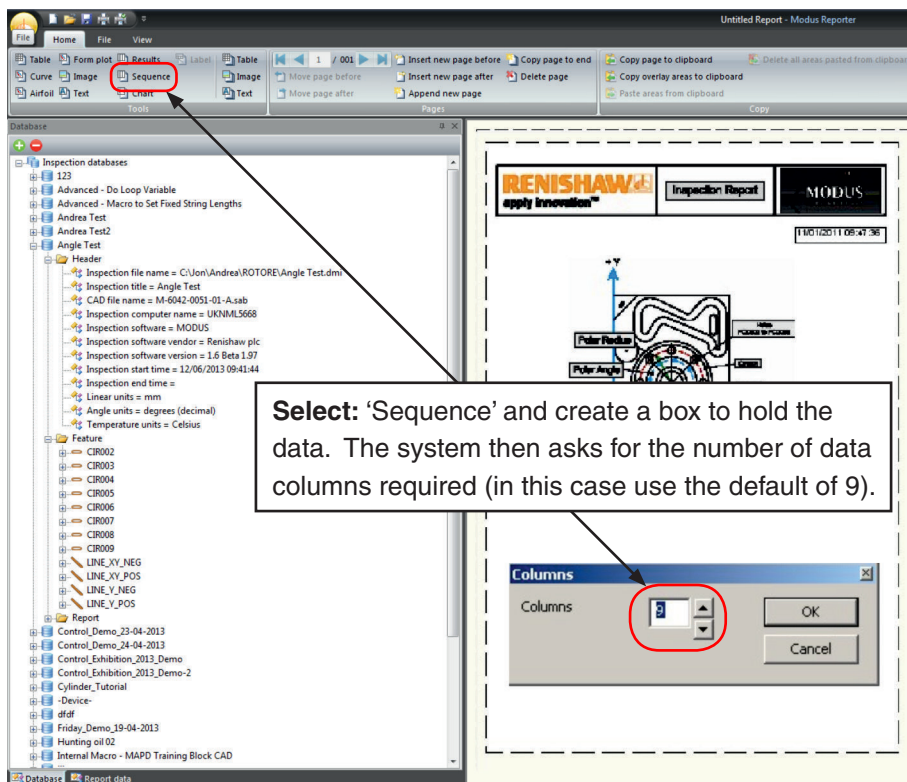Repeat to add more images - a drawing sketch for example.

To add further information into the report page (i.e. date and time):

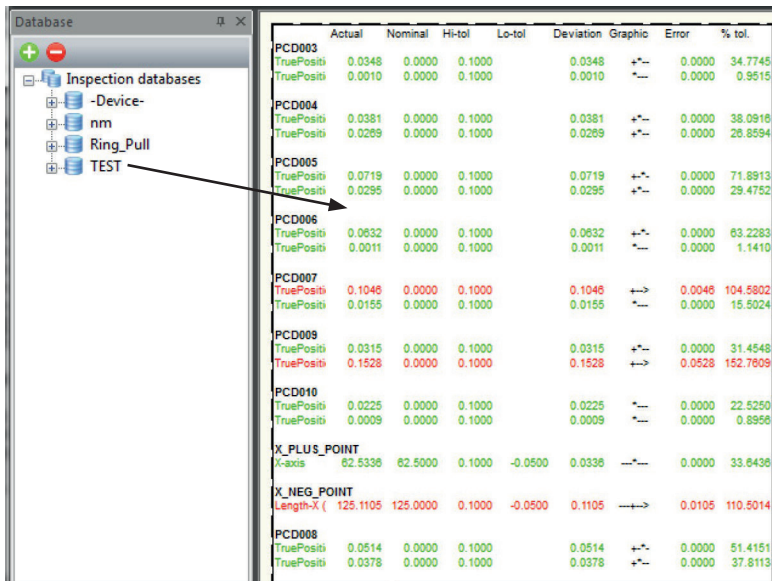**Select:** 'Table' and then a cell of 1 row and 1 column to hold the date and time.

Place and resize the cell to suit.

Drag and drop the 'Inspection Report Start Time' field into the new cell.

Add measured data to the report:

Select: 'Sequence' and create a box to hold the data. The system then asks for the number of data columns required (in this case use the default of 9).

Result:

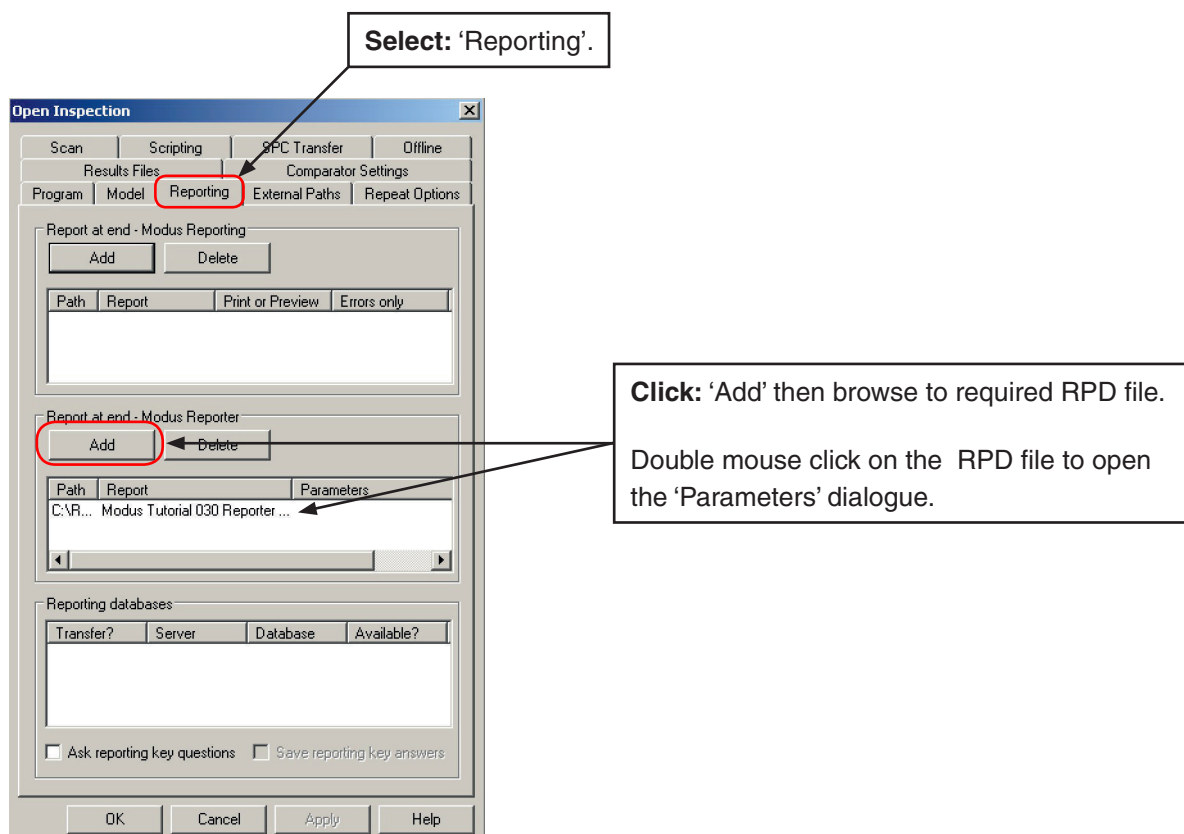Select and drag data base into sequence table:

The report will automatically generate the number of pages required to output all features in the database.
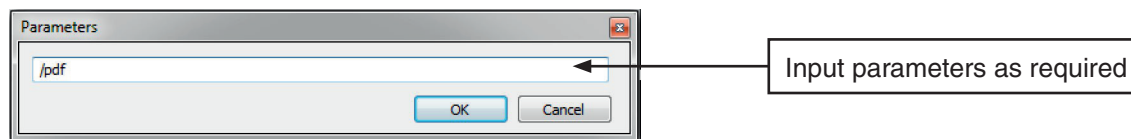
When completed save the template, this will create a "RPD" file.

Then close it.

Now close and re-open the part program and set it to run 'Reporter' when the program finishes.

NOTE: The "ENDFIL" instruction must be executed at the end of the program.

Select: 'Reporting'.

Click: 'Add' then browse to required RPD file.

Double mouse click on the RPD file to open the 'Parameters' dialogue.

Input parameters as required

Basic parameter examples:

/p - Prints the report data to the default printer.

/pdf - Prints the report data to a PDF file, using the same filename as the report filename. Appends the data to the PDF if this already exists.

/pdf /pdfout "PDFname" - Prints the report data to a PDF file of the specified filename (enclosed in double quotes). Appends the data to the PDF if this already exists.

Example: /pdf /pdfout "C:\Renishaw\Reports\DataXXX.pdf".

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